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## Patent Abstracts of Japan

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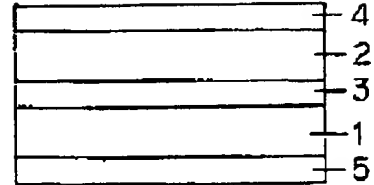
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APPLICANT : DAINIPPON PRINTING CO LTD;

INVENTOR : HAYASHI MASAFUMI;

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TITLE : HEAT TRANSFER SHEET



ABSTRACT : PURPOSE: To form a colored printed matter in which high luminance and metallic gloss having no problem in safety are obtained by forming a heat transfer ink layer containing an inorganic pearl content consisting of a natural mica surfaced with a metallic oxide at least on one surface of a base material sheet.

CONSTITUTION: This heat transfer sheet comprises a release layer 3 between a base material sheet 1 and a heat transfer ink layer 2, an adhesive layer 4 on the layer 2 and a back surface layer 5 on the rear surface of the sheet 1. As the layer 2, pearl pigment consisting of natural mica surfaced with a metallic oxide is formed. The pigment is so operated as to bring pearl gloss by the light reflected by using the difference of refractive indexes of them by covering the surface of the mica having low refractive index with the oxide having a high refractive index. As the oxide, titanium oxide or iron oxide is preferably used. As the layer 4, colorant is contained.

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